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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (canceled).

2. (canceled).

3. (previously presented) A process of producing a catalyst, the catalyst including a particulate lump carrier and a catalytic component supported thereon, the process comprising the step of:

carrying out simultaneous revolving and rocking of a treatment container charged with a particulate lump carrier and a catalyst precursor including a catalytic component, such that said catalytic component becomes to be supported on said particulate lump carrier, wherein:

- a) the treatment container is the shape of a cylinder having a length of 1 to 3 times of its diameter and has a horizontally oriented central axis;
- b) the carrier is charged in an amount of 10 to 60 % of a capacity of the treatment container;
- c) the step of carrying out simultaneous revolving and rocking revolves the treatment container at 5 to 60 rpm around the central axis; and
- d) the step of carrying out simultaneous revolving and rocking rocks the central axis at 1 to 12 spm in an upward and downward rocking angle of 5 to 90°.

4. (previously presented) The process according to claim 3, wherein the catalyst precursor is in the form of a member selected from the group consisting of a powder

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including the catalytic component, a solution including the catalytic component, and a suspension including the catalytic component.

5. (canceled).

6. (canceled).